

# VEHICLE ALARM SYSTEM 'GN7'

'GN7' User manual.

'GN7' is up-to-date vehicle alarm system designed for users looking for reliable and time saving solution. System contains secure hopping code and features in conformity with EU Directives. 'GN7' is distinguished not only by the reliable engine immobilization preventing vehicle theft but also by the option the alarm system OFF using adjustable PIN code. This option eliminates problems and inconveniences that may arise during travel in case of remote control loss or remote's battery discharge.

## 1. THE SET.

- a) system unit with wire harness;
- b) 2 remote controls;
- c) engine bonnet switch;
- d) user and installation manual;
- e) siren (optional).

## 2. SYSTEM UNIT.

System unit performs essential guarding functions, thus it is extremely important to hide it well in the passenger compartment of a vehicle. When installation of the system unit is finished, all system settings and learning of new remote controls is done by the use of PIN code. Manufacturer supplies alarm system with default 4 digit PIN code imprinted on the identification label of alarm system (Fig. 1). The user should change it into other, easy memorable, 4 digit number. It is recommended to take a note of the new PIN code, however do not keep this information inside vehicle. In addition, do not use your birthday date or home address numbers as the PIN.

## 3. REMOTE CONTROL.

There are 2 remote controls (Fig. 2,3) in the system set, though it is possible to learn up to 5 several types remote controls (see section 7.5). It is recommended to replace remote's battery every 12 months. All types of 23A batteries (12V) or CR2016 (3V) are suitable. Though remote control casing ensures the moisture protection for the inside electronics, immersion into water (or other liquid) of the device is forbidden.



Fig. 2 Two button remote control.



Fig. 3 Three button remote control.



Fig. 1. The PIN code and the identification label.

<b>Button </b> :	Arming Alarm interrupt Sensors bypass Central lock control Arming verification Panic
<b>Button </b> :	Disarming Immobilizer OFF Optional control
<b>Button </b> :	Trunk release Garage gate control Automatic engine start control

## 4. ARMING USING REMOTE BUTTON.

**4.1. ARMING.** Shortly press remote control button . Vehicle direction indicators flash once, system LED starts flashing. System is armed. If vehicle contains central lock, the doors will lock.

**4.2. ARMING WITH SENSOR BYPASS.** If the system is equipped with single zone sensor, press and hold button . Direction indicators will flash once, direction indicators will switch on once again after 2 seconds. Release the button. System is armed but the sensor detecting vehicle body vibrations or movements inside the passenger compartment is bypassed and does not trigger the alarm system. Vehicle doors, luggage compartment and engine bonnet are protected! If the system is equipped with two zone sensor and you want to arm system with pre-alarm zone bypass, press and hold button . The direction indicators will flash once, direction indicators will switch on once again after 2 seconds. Release the button immediately. If you wish to arm the system with sensor's all zones bypass, press and hold the button . Vehicle direction indicators flash once, direction indicators will switch on once again or start flashing after 2 seconds. Release the button only when direction indicators switches off.

**4.3. ALARM INTERRUPT.** System will alarm if opening vehicle door, engine bonnet or trunk, impact on vehicle body or movement in passenger compartment when system is armed. Press button to stop the alarm, though system will protect vehicle further.

**4.4. CLOSING WINDOWS AND SUNROOF ON ARMING.** It is possible to set 'GN7' in a way to have a 40 second electrical pulse in optional output for closing of windows and sunroof. Electrical pulse might be cancelled (shortened) by pressing button when pulse is active.

**4.5. CENTRAL LOCK CONTROL WITH ENGINE TURNED ON.** If doors of the vehicle are closed and the engine is ON, doors are locked with first press of button and unlocked with the second press. It's very handy when traveling with children or heating vehicle.

**4.6. AUTOMATIC DOOR LOCKING ON START UP OF THE ENGINE.** The driver will feel safer if the doors are locked automatically on the start of the engine. After turn OFF of the engine the doors are unlocked. To turn ON/OFF automatic door lock: disarm the system or turn OFF the engine, simultaneously press and buttons and hold them till a short beep of siren.

**4.7. CHECKING WHETHER THE SYSTEM IS ARMED.** Press remote control button. If the system is armed, vehicle direction indicators flash once.

**4.8. VEHICLE SEARCH AND PANIC MODE.** If the system is armed, press and hold remote's button. Direction indicators flash once, siren alarms in 1.5 seconds. The function can be used for: searching your vehicle in a big parking lot, warning prying persons, or capturing the attention in case of emergency.

## 5. DISARMING USING REMOTE BUTTON.

**5.1. DISARMING.** Shortly press remote control button. Direction indicators flash twice, system LED switches OFF. System is disarmed. If vehicle contains central lock, the doors are unlocked automatically.

**5.2. OPTIONAL CONTROL.** 'GN7' might be installed in a way to have electrical pulse by pressing button for over 2 seconds. Duration of the pulse equals to the button pressing time. The pulse controls electromechanical gadget for engine hood release.

## 6. TRUNK RELEASE, GARAGE GATE AND ENGINE START CONTROL WITH REMOTE BUTTON .

**6.1. TRUNK RELEASE.** In case trunk release gadget is installed, 'GN7' might be set up to have electrical pulse in optional output, that controls trunk release, by pressing button for over 2 seconds. If the system is armed, it will not react to trunk release, vehicle body and interior movement sensors, but doors of the vehicle will remain protected. When the trunk will be closed the direction indicators flash once and the system goes back to regular armed mode.

**6.2.** In case your garage gate control system is compatible with 'GN7' type alarm systems, you can open or close garage gate by pressing button .

For this purpose it is the best to use 3-button remote control.

**6.3. Button**  can be used for automatic engine start control.

## 7. SERVICE MODE.

**7.1. TURNING SERVICE MODE ON.** 'GN7' features service mode for cases such as loss of remote control or car repairs. With this mode on, alarm system does not respond to sensors, does not immobilize the engine, and does not alarm, system LED flashes frequently. Service mode is turned ON using the PIN code.

**7.2. ENTERING THE PIN CODE.** Open vehicle doors and turn the ignition ON. Shortly after the system LED starts double flashes, count till the number of double flashes corresponding with digit 1 of the PIN code. Turn the ignition OFF for a short time and turn it ON again. Count double flashes till the number corresponding with digit 2 of the PIN code. Turn the ignition key OFF and ON again. Enter the remaining two digits of the PIN code respectively. Upon correct entry of all four digits of the PIN code LED emits triple flashes for 12 seconds and frequent flashes afterwards. If you make a mistake when entering the PIN code: turn OFF the ignition, close the doors and follow 7.2 steps all over again. Service mode is turned OFF by pressing button  or by entering code FN=11.

**7.3. ALTERNATIVE WAY TO ENTER THE PIN CODE.** Digits of the PIN code can be entered by pressing the secret button. Press the secret button till, the number of presses would correspond to 1 PIN code digit. The time between the presses can't exceed 1 second, after entering a first digit, wait for a long (1 second) LED flash. The rest digits of PIN code are entered in the same way, there is no need to turn the ignition ON/OFF and open or close the vehicle doors. If 'anti-carjack' feature is activated, the system responds to the first press of a button as to a control of 'anti-carjack' feature. The system responds to next presses as to entering the PIN code.

**7.4. CUSTOMIZING THE PIN CODE.** A user is provided with possibility of changing PIN code. This requires:

- a) Enter current PIN code;
- b) Wait for 13 seconds until system LED emits single flashes frequently;
- c) In the same way as with PIN code entering, enter code FN=88. The entry will be confirmed by short flash of direction indicators;
- d) Within 8 minutes enter the new PIN code twice, one after another. If in both cases the same code is entered, the system will record this as the new PIN code and confirm it by short flash of direction indicators.

**7.5. LEARNING NEW REMOTE CONTROLS.** After entering the PIN code system LED emits triple flashes for 12 seconds. You can learn new remote controls within this time period. Press all buttons of remote simultaneously and hold them down (approx. 4 seconds) till the long flash of system LED. First remote control is learned and learning time frame is extended to additional 12 seconds for another remote control. Learning of the first remote control deletes all previous remote controls from the alarm system memory.

**7.6. INFORMATION ON LEARNED REMOTE CONTROLS.** As it is possible to learn from 1 to 5 remote controls, 'GN7' user is able to check the number of learned remote controls. To do that: disarm the system, press button  and count the number of system LED flashes. The number indicates number of remotes controlling the system.

## 8. EXTRA FEATURES.

**8.1. INNER IMMOBILIZER.** With inner immobilizer ON, every time when 40 seconds is passed since turning the ignition OFF, system LED starts flashing with long flashes. Subsequent start up of the engine is possible only with pressing remote button . If immobilization disabled - system LED stops flashing. Alarm system can be set to control inner immobilization using secret button rather than button . In this case, engine immobilization can be canceled by pressing secret button after disarming or when 40 seconds is passed since turning the ignition OFF.

**8.2. INNER IMMOBILIZER DEACTIVATION FEATURE.** In case inner immobilizer is creating inconveniences, it is possible to turn it OFF temporarily. Following steps: disarm the system, turn the ignition ON, press buttons  and  together and hold them down for 5 seconds till short siren beep. To turn the feature ON repeat the same steps.

**8.3. PROTECTION AGAINST ROBBERY ('ANTI-CARJACK').** It is allowed to use this feature if vehicle is operated outside the EU. Description of the feature: after turning ignition ON or opening door with ignition ON press a secret button (pressing confirmed by long LED flash), otherwise the siren will sound and direction indicators starts flashing within 40 seconds and within another 10 seconds the engine will be immobilized and alarm system armed (setting FN=23, SN=2) or the engine is immobilized just after turning the ignition OFF with subsequent system arming (setting FN=23, SN=1). Alarm and engine immobilization can be cancelled only by pressing a secret button. Depending on the settings the mentioned feature can or cannot be turned OFF by using remote control (setting FN=22, SN=4, 5 or SN=6, 7). If it is allowed to turn OFF the feature: disarm the system, turn the ignition ON, press a secret button, then press together buttons  and  and hold them down for 5 seconds till short beep of the siren. To turn the feature ON repeat the same steps.

**8.4. ARMING WITHOUT USING A REMOTE CONTROL.** Usually this feature is selected in case of frequent thefts made by using radio jamming devices or in case a user does not trust remote-controlled alarm systems. With the feature activated and ignition OFF, vehicle driver has to **take the keys with him/her**, press the secret button twice, open the doors, get off of the vehicle, and close the doors. Alarm system will automatically arm and lock central lock. System is disarmed in the usual way, i.e. using remote control.

**8.5. WARMING-UP THE ENGINE.** It is allowed to use this feature if vehicle is operated outside the EU. Description of the feature: with the ignition ON press a secret button twice, get off of the vehicle and press remote control button . System will arm and lock central lock. The system will not respond to sensors however in case of opening the door, engine hood or trunk, the siren and direction indicators flashing will start and after 10 seconds the system will immobilize engine and turn the alarm system ON again (setting FN=23, SN=2), or the system will immobilize engine just after turning the ignition OFF (setting FN=23, SN=1). System is disarmed in the usual way, i.e. using remote control.

**8.6. AUTOMATIC REARMING.** Alarm system is automatically armed in case vehicle door, engine bonnet or trunk opening or the engine is not turned ON within 45 seconds after system disarming. The doors are not locked!

Alarm system is possible to set in a way to lock the doors during auto-rearming or to turn OFF the auto-rearming feature.

**8.7. AFTER ARMING THE SYSTEM** will not react the preset time (manufacturer setting – 5 seconds, possible to set 45 seconds) to door, trunk or engine bonnet, shock or ultrasonic sensors trigger. If system generates three short siren beeps when preset time exceeds, it indicates that doors, trunk or engine bonnet are not closed.

**8.8. UPON DISARMING THE ALARM DIRECTION INDICATORS FLASH** 4times if the system was alarming before disarming.

**8.9. ALARMING THROUGH GSM NETWORK.** It is possible to connect 'GN7' to GSM communicator 'GSW'. It can call to 3 pre-programmed phone numbers and report by voice about the danger and its cause, or send SMS message to first number, in case of opening the vehicle doors, trunk or engine bonnet, turning ignition ON or triggering sensor, when system is armed. **GSW can work as optional remote control to arm/disarm alarm system.** Read GSW user manual for more info.

## 9. WARRANTY STATEMENT.

**9.1. MANUFACTURER AND DISTRIBUTOR OF ALARM SYSTEM 'GN7'** accepts no liability for possible vehicle or belonging from vehicle theft.

**9.2. WARRANTY TERM FOR VEHICLE ALARM SYSTEM 'GN7' IS 24 MONTHS**, warranty term being calculated from the day of the purchase. If no original receipt is available, the term starts from the day of alarm system manufacturing (indicated on the identification label). Warranty does not cover bonnet switch, LED indicator, remote control casings and batteries. Warranty becomes void: in case of any modifications, incorrect installation, misuse, mechanical, chemical, and electrical damage, in other cases having no relation to manufacturing faults of the alarm system.

In case the alarm system gets out of order or operates incorrectly, please contact the installer of your alarm system for all warranty and post-warranty service. Statistics shows that in most cases alarm system operates incorrectly because of improper installation or vehicle defects. Manufacturer of the alarm system – KODINIS RAKTAS – does not provide consultancy for private users on issues of installing or operations of alarm systems. For more details on manufacturer, products and FAQ visit website at [www.kodinis.lt](http://www.kodinis.lt). KODINIS RAKTAS declares that product 'GN7' complies with the essential requirements of EU directive 1995/5/EC. See manufacturer's web site for complete text of declaration. Vehicle alarm system 'GN7' is being manufactured in Lithuania in compliance with the corporate standard IST2365999-04:2004.